

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 10px auto; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;"> JAN 02 2004 </div> </div>				Docket Number (Optional) 166-03		Application Number 10/663,226	
				Applicant(s) John R. Boehringer			
				Filing Date September 16, 2003		Group Art Unit NA	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/MH/	AA	606,248	05-06-1946	Smith			
	AB	641,061	08-30-1948	McLaurin			
	AC	679,918	08-06-1901	Shears			
	AD	697,637	04-15-1902	Lee			
	AE	720,812	02-17-1903	Johnson			
	AF	843,674	02-12-1907	Funk			
	AG	1,066,934	07-08-1913	Manney			
	AH	1,251,258	12-25-1917	Magill			
	AI	1,355,679	10-12-1920	McConnel			
	AJ	1,385,346	07-19-1921	Taylor			
	AK	1,395,799	03-27-1972	Reick			

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
/MH/	AL	EP 0 619 105 A1	10-12-1994	EUROPE				
	AM	EP 0 777 504 B1	10-21-1998	EUROPE				
	AN	EP 0 853 950 A1	07-22-1998	EUROPE				
	AO	GB 2 099 308 A	12-08-1982	UNITED KINGDOM				
	AP	GB 2 307 180 A	11-14-1995	UNITED KINGDOM				

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
/MH/	AQ	Dewan, An Alternative Approach to Skin Graft Donor Site Dressing, June 1986. 2 Pages.
/MH/	AR	Alexander, Bacteriologic Comparison of Closed Suction and Penrose Drainage, November 1984. 1 Page.

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/MH/	AS	1,549,756	Westaby				
	AT	2,025,492	Aird				
	AU	2003/0219469 A1	Johnson et al.				
	AV	2,113,253	Gray				
	AW	2,122,121	Tillotson				
	AX	2,195,771	Estler				
	AY	2,280,915	Johnson				
	AZ	2,367,690	Purdy				
	AAA	2,385,207	Hunn				
	AAB	2,524,750	Bellinger				
↓	AAC	2,727,678	Henderson				

FOREIGN PATENT DOCUMENTS								
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation		
						YES	NO	
/MH/	AAD	GB 2 329 127 A	03-1999	UNITED KINGDOM				
	AAE	GB 2 333 965 A	08-1999	UNITED KINGDOM				
	AAF	GB 2 336 546 A	10-1999	UNITED KINGDOM				
	AAG	GB 2 351 025 A	12-2000	UNITED KINGDOM				
↓	AAH	GB 2 356 148 A	5-2003	UNITED KINGDOM				

OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>		
/MH/	AAI	Genecov, A Controlled Subatmospheric Pressure Dressing Increases The Rate of Skin Graft Donor Site Reepithelialization, March 1998. 7 Pages.
/MH/	AAJ	Biblehimer, Dealing With A Wound That Drains 1.5 Liters A Day, August 1986. 3 Pages.

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/MH/	AAAC	3,610,238	04-28-1970	Rich			
	AAAD	3,616,156	02-25-1969	Scholl			
	AAAE	3,874,387	04-01-1975	Barbieri			
	AAAF	3,933,158	01-20-1976	Haverstock			
	AAAG	3,954,105	05-04-1976	Nordby			
	AAAH	4,080,970	03-28-1978	Miller			
	AAAI	4,112,947	09-12-1978	Nehring			
	AAAJ	4,180,074	12-25-1979	Murry			
	AAAK	4,224,941	09-30-1982	Stivala			
	AAAL	4,224,945	09-30-1980	Cohen			
	AAAM	4,250,882	02-17-1981	Adair			

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
/MH/	AAAN	WO 01/34223 A1	05-17-2001	UNITED KINGDOM				
	AAAO	WO 01/37922 A1	05-31-2001	UNITED KINGDOM				
	AAAP	WO 01/85248 A1	11-15-2001	UNITED KINGDOM				
	AAAQ	WO 80/01139	06-12-1980	UNITED KINGDOM				
	AAAR	WO 89/05133	06-15-1989	UNITED KINGDOM				

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/MH/	AAAS	Morykwas, Effects of Varying Levels Subamospheric Pressure on the Rate of Granulation Tissue Formation in Experimental Wounds in Swine, November 2003. 5 Pages.
/MH/	AAAT	Alexander, Emerging Concepts in the Control of Surgical Infections, June 1974. 13 Pages.

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/MH/	AAAU	4,261,363	Russo			
	AAAV	4,520,882	Adair			
	AAAW	4,341,208	Gordon			
	AAAX	4,382,441	Svedman			
	AAAY	4,392,858	George			
	AAAZ	4,399,816	Spangler			
	BA	4,444,548	Anderson et al.			
	BB	4,465,062	Versaggi et al.			
	BC	4,533,352	Van Beek et al.			
	BD	4,551,141	McNeil			
↓	BE	4,553,967	Ferguson et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
/MH/	BF	WO 91/00718	01-24-1991	INTERNATIONAL				
↓	BG	WO 96/05873	02-29-1996	INTERNATIONAL				
↓	BH	WO 98/17329	04-30-1998	INTERNATIONAL				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MH/	BI	Hathman Medical Products, 1 page.
/MH/	BJ	Pescovitz. A History of Surgical Suction From Dieulafoy to Gomoco, September 1989. 9 Pages.

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/MH/	BK	4,641,643	02-10-1987	Greer			
	BL	4,710,165	12-01-1987	McNeil et al.			
	BM	4,717,382	01-05-1988	Clemens			
	BN	4,743,232	05-10-1988	Kruger			
	BO	4,778,446	10-18-1988	Jensen			
	BP	4,795,435	01-03-1989	Steer			
	BQ	4,820,284	04-11-1989	Hauri			
	BR	4,925,447	05-15-1990	Rosenblatt			
	BS	4,941,882	07-17-1990	Ward			
	BT	4,969,880	11-13-1990	Zamierowski			
V	BU	4,969,881	11-13-1990	Viesturs			

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							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
/MH/	BV	Fowler, HowTo Cope When Your Patient Has An Entercutaneous Fistula, March 1990. 4 Pages.
/MH/	BW	Landes, An Improved Suction Device for Draining Wounds, May 1972. 1 Page.

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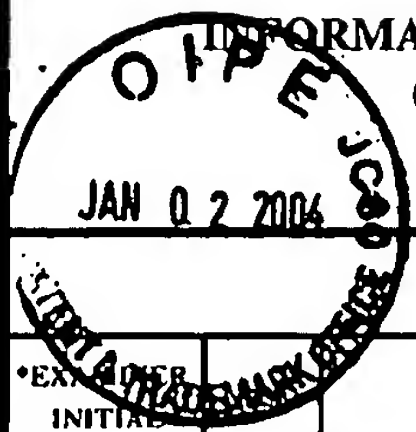
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/MH/	BBK	5,014,389	05-14-1991	Ogilvie			
	BBL	5,019,059	5-28-1991	Goldberg et al.			
	BBM	5,034,006	07-23-1991	Hosoda			
	BBN	5,088,483	02-18-1992	Heinecke			
	BBO	5,086,763	02-11-1992	Hathman			
	BBP	5,100,396	03-31-1992	Zamierowaski			
	BBQ	5,106,362	04-21-1992	Gilman			
	BBR	5,149,331	09-22-1992	Ferdman et al.			
	BBS	5,152,757	10-06-1992	Eriksson			
	BBT	5,160,315	11-03-1992	Heinecke			
	BBU	5,161,544	11-10-1992	Morris			

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							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
/MH/	BBV	Shaer, Inexpensive Vacuum-assisted Closure Employing a Conventional Disposable Closed-suction Drainage System, January 2003. 2 Pages.
/MH/	BBW	Arnljots, Irrigation Treatment in Split-Thickness Skin Grafting of Intrackable Leg Ulcers, 1985. 3 Pages.

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/MH/	BBX	5,549,584	08-27-1996	Gross			
	BBY	5,562,107	10-08-1996	Lavender et al.			
	BBZ	5,636,643	06-10-1997	Argenta			
	BBBA	5,645,081	07-08-1997	Argenta			
	BBBB	5,701,917	12-30-1997	Khoury			
	BBBC	5,840,049	11-24-1998	Turney			
	BBBD	5,848,998	12-15-1998	Marasco, Jr.			
	BBBE	5,931,797	08-03-1999	Turney et al.			
	BBBF	5,951,533	09-14-1999	Freeman			
	BBBG	6,071,267	06-06-2000	Zamierowaski			
V	BBBH	6,116,781	09-12-2000	Skeens			

FOREIGN PATENT DOCUMENTS

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							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MH/	BBBI	Nakayama, A New Method For The Dressing of Free Skin Grafts, December , 1900. 4 Pages.
/MH/	BBBJ	Rabinovici, New Sump Suction Appliance For Drainage of Enterocutaneous Fistulae, May , 1988. 1 Page.

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/MH/	BBBK	6,117,111	09-12-2000	Fleischmann			
	BBBL	6,135,116	10-24-2000	Vogel			
	BBBM	6,142,982	11-07-2000	Hunt			
	BBBN	Des. 364679	11-28-1995	Heaton et al.			
	BBBO	Des. 406899	03-16-1999	Cottle			
	BBBP	Reissued #29319	07-26-1977	Nordby			
	BBBQ	2001/0020146 A1	09-06-2001	Satterfield			
	BBBR	2001/0029956 A1	10-18-2001	Argenta			
	BBBS	2001/0031943 A1	10-18-2001	Urie			
	BBBT	2001/0043943 A1	11-22-2001	Coffey			
	BBBU	2002/0016577 A1	02-07-2002	Ohmstede			

FOREIGN PATENT DOCUMENTS								
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							YES	NO

OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>		
/MH/	BBBV	Abramson, A New, Soft, Triple Lumen, Overflow and Suction Drain, September 1970. 3 Pages.
/MH/	BBBW	Ramirez, Opimal Wound Healing under Op-Site Dressing, March 1973. 2 Pages.

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/MH/	BBBX	2002/0017304 A1	02-14-2002	Heaton et al.				
	BBBY	2002/0065494 A1	05-30-2002	Lockwood et al.				
	BBBZ	2002/0068913 A1	06-06-2002	Fleischmann				
	CA	2002/0120185 A1	08-29-2002	Johnson				
	CB	2002/0143286 A1	10-03-2002	Tumey				
	CC	2003/0040687	02-27-2003	Boynton et al.				
	CD	6,216,701 B1	04-17-2001	Heaton				
	CE	6,174,306 B1	01-16-2001	Fleischmann				
	CF	6,203,563 B1	03-20-2001	Fernandez				
	CG	6,242,665 B1	06-05-2001	Malowaniec				
✓	CH	6,283,931 B1	09-04-2001	Augustine				
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							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
/MH/	CI	Bellinger, An Original Drainage Cup Apparatus for Ileostomies and Fistulas, November 1949. 5 Pages.						
/MH/	CJ	Alexander, Prevention of Wound Infections-A Case For Closed Drainage to Remove Wound Fluids Defecient in OpsonicProtein, July 1976. 5 Pages.						
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/MH/	CK	6,323,386 B1	11-27-2001	Stapf et al.				
	CI	6,345,623 B1	02-12-2002	Heaton et al.				
	CM	6,458,109 B1	10-01-2002	Henley et al.				
V	CN	6,557,704 B1	05-06-2003	Randolph				
FOREIGN PATENT DOCUMENTS								
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
/MH/	CO	Gramm, Respiratory Controlled Intermittent Inspiratory Pleural Drainage, October 1984. 1 Page.						
/MH/	CP	Schein, "Sandwich Technique" in the Management of the Open Abdomen, May 1986. 2 Pages.						
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/MH/	CQ	Shra, Sternal Dehiscence "Delayed Primary Closure" for Complicated Cases, 1981. 3 Pages.
	CR	Hentzer, Suction Blister Transplantation For Leg Ulcers, 1975. 3 Pages
	CS	Furnas, Suction Catheters for Open Technique of Skin Grafting in Fresh Wounds, October 1976. 1 Page.
	CT	Jascalevich, Suction Cone: A New Apparatus for the Care of Ileostomies, Fistulas and Draining Sinuses, September 1960. 4 Pages.
	CU	Silvis, The Use Of Continuous Suction Negative Pressure Instead Of Pressure Dressing, August 1955. 5 Pages.
	CV	Morykwas, Use Of A Subatmospheric Pressure to Prevent Doxorubicin Extravasation Ulcers in a Swine Model, June 1999. 4 Pages.
	CW	Morykwas, Morykwas, Use Of A Subatmospheric Pressure to Prevent Progression of Partial-Thickness Burns in a Swine Model, January 1999. 7 Pages..
	CX	Vieira, Vacuum Assisted Closure in Calcanectomy for the Treatment of Chronic Calcaneal Osteomyelitis, June 1997. 2 Pages.
	CY	Barker, Vacuum Pack Technique of Temporary Abdominal Closure: A 7 Year Experience with 112 Patients, February 2000. 6 Pages.
↓	CZ	Argenta, Vacuum-Assisted Closure: A New Method For Wound Control and Treatment: Clinical Experience , June 1997. 15 Pages.

EXAMINER	/Melanie Hand/	DATE CONSIDERED	09/27/2007
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